**FORM PTO-1449** 

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. STK-075

August 16, 1999

SERIAL NO. 09/375,333

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT Hermann Oppermann, et al.

FILING DATE

GROUP 1646

FOREIGN PATENT DOCUMENTS **TRANSLATION EXAMINER DOCUMENT NUMBER** DATE COUNTRY CLASS **SUBCLASS** INITIAL YES NO AR 5/5/89 WO8903886 WO91/05802 5/2/91 6/19/91 EP0433225 <sup>L</sup>WO92/00318 1/9/92 WO92/15323 9/17/92 EP0626451A2 11/30/94 DE1911243A1 4/1/96 ✓ abstract only WO96/39430<sup>6</sup> PR 12/12/96

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STATEMENT BY APPLICANT

STK-075 INFORMATION DISCLOSURE

SERIAL NO. 09/375,333

**APPLICANT** 

Hermann Oppermann, et al.

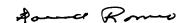
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FILING DATE August 16, 1999 **GROUP** 1646

OTHER DOCUMENTS (Including Author Title Date Pertinent Pages Etc.)

EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
#R	Brunner, et al., Site-directed mutagenesis of cysteine residues in the pro region of the transforming growth factor β1 precursor, J. Biol. Chem., 264, pp. 13660-13664 (1989).					
	Han, et al., Refolding of a recombinant collage-targeted TGF-β2 fusion protein expressed in Escherichia coli, Protein Expression and Purification, 11, pp. 169-178 (1997).					
	Hilvert, et al., Chemical synthesis of proteins, Chem. Biol., 1, pp. 201-203 (1994).					
	Lipscomb, et al., Context-dependent protein stabilization by methionine-to-leucine substitution shown in T4 lysozyme, Protein Sci., 7, pp. 765-773 (1998).					
	Liu, et al., Peptide segment ligation strategy without use of protecting groups, Proc. Natl. Acad. Sci. USA, 91, pp. 6584-6588 (1994).					
	Miranda, et al., Accelerated chemical synthesis of peptides and small proteins, <u>Proc. Natl. Acad. Sci. USA</u> , 96, pp. 1181-1186 (1999).					
	Muir, et al., Expressed protein ligation: A general method for protein engineering, Proc. Natl. Acad. Sci. USA, 95, pp. 6705-6710 (1998).					
	Nikolova, et al., Semirational design of active tumor suppressor p53 DNA binding domain with enhanced stability, Proc. Natl. Acad. Sci. USA, 95, pp. 14675-14680 (1998).					
	Smith, et al., Automatic generation of primary sequence patterns from sets of related proteins, <u>Proc.</u> Natl. Acad. Sci. USA, 87, pp. 118-122 (1990).					
	Wallace, et al., Peptide ligation and semisynthesis, Curr. Opin. Biotechnol., 6, pp. 403-410 (1995).					
AR	Wang, et al., Recombinant human bone morphogenetic protein induces bone formation, Proc. Natl. Acad. Sci. USA, 87, pp. 2220-2224 (1990).					
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August 16, 1999

Hermann Oppermann, et al.

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U.S. PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE			SUBCLASS	FILING DATE IF APPROPRIATE
DR	5,011,691	4/30/91	Oppermann, et al.	<del></del>	-	
<del></del>	5,399,677	3/21/95	Wolfman, et al.			
	5,658,882 ×	8/19/97	Celeste, et al.			
	5,674,292	10/7/97	Tucker et al.			
	5,756,308	5/26/98	Wolfman, et al.			
	5,770,444 ~	6/23/98	Lee, et al.			
	5,801,014	9/1/98	Lee, et al.			
	5,804,416 🗸	9/8/98	Wolfman, et al.			
DR	5,840,325 🗡	11/24/98	Kuberasampath, et al.			
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANTS

H. Oppermann et al.

Not yet assigned

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
AR.	5,807,713	09/15/98	Hötten et al.	435	69.5	
#R	5,266,683	11/30/93	Oppermann et al.	530	326	RECEIVED
						JUL 3 2002
					TE	CH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

		FOREIGNE	ATENT DOCUM	VICIVIO			
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INITIAL		CLASS	SUBCLASS	YES	NO		
	DE 195 11 243A	01/04/96	Germany	C07K	14/495		<b></b>
AR	EP 0 150 572A	08/07/85	EPO	C12N	15/00	<b>\</b>	
	EP 0 676 474A	10/11/95	EPO	C12N	15/62	<b>√</b>	
	WO 91 05565	05/02/91	PCT	A61K	37/24		
<b>P</b> R	WO 93 09229	05/13/93	PCT	C12N	15/12		

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages,	Etc.)
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